

# CoreGRID Integration Workshop

## Integrated research in Grid Computing

Workshop Programme  
Hersonissos, Crete, Greece, 2008  
Creta Maris Resort Hotel



CoreGRID – Network of Excellence  
URL: <http://www.coregrid.net>

<b>April 2</b>		<b>Creta Maris Resort Hotel</b>
14:15	<b>Opening of the workshop</b>	Chair: Sergei Gorlatch
<b>Afternoon Session</b>		
14:30 – 14:50	ORC MODELS TO DISTRIBUTED GRID JAVA CODE <i>Marco Aldinucci, Marco Danelutto, Peter Kilpatrick and Patrizio Dazzi</i>	
14:50 – 15:10	LOOPO-HOC: A GRID COMPONENT WITH EMBEDDED LOOP PARALLELIZATION <i>Johannes Tomasoni, Jan Dünneweber, Sergei Gorlatch, Michael Classen, Philipp Classen and Christian Lengauer</i>	
15:10 – 15:30	DYNAMIC SERVICE-BASED INTEGRATION OF MOBILE CLUSTERS IN GRIDS <i>Stavros Isaiadis, Vladimir Getov, Ian Kelley and Ian Taylor</i>	
15:30 – 15:50	COMPARISON OF MULTI-CRITERIA SCHEDULING TECHNIQUES <i>Dalibor Klusáček, Hana Rudová, Ranieri Baraglia, Marco Pasquali and Gabriele Capannini</i>	
15:50 – 16:20	<b>Coffee Break</b>	
<b>Evening Session</b>		
16:20 – 17:00	<b>Invited Talk</b> : DATA MANAGEMENT CHALLENGES OF LARGE-SCALE, DATA-INTENSIVE SCIENTIFIC WORKFLOWS <i>Ewa Deelman (USC Information Sciences Institute, Marina Del Rey, USA)</i>	
17:00 – 17:20	P2P-BASED JOB ASSIGNMENT FOR PUBLIC RESOURCE COMPUTING <i>Daniela Barbalace, Pasquale Cozza, Domenico Talia and Carlo Mastroianni</i>	
17:20 – 17:40	USING CLIQUES OF NODES TO STORE DESKTOP GRID CHECKPOINTS <i>Filipe Araujo, Patricio Domingues, Derrick Kondo and Luis Moura Silva</i>	
17:40 – 18:00	A FRAMEWORK FOR RESOURCE AVAILABILITY CHARACTERIZATION AND ON-LINE PREDICTION IN LARGE SCALE COMPUTATIONAL GRIDS <i>Farrukh Nadeem, Radu Prodan, Thomas Fahringer and Alexandru Iosup</i>	

<b>April 3</b>		<b>Creta Maris Resort Hotel</b>
<b>Morning Session</b>		
09:30 – 10:10	<b>Invited Talk : S-CUBE - A NETWORK OF EXCELLENCE ON SOFTWARE SERVICES AND SYSTEMS</b> <i>Christos N. Nikolaou (Department of Computer Science, University of Crete)</i>	
10:10 – 10:30	A GRID ENVIRONMENT FOR REAL-TIME MULTIPLAYER ONLINE GAMES <i>Radu Prodan, Vlad Nae, Thomas Fahringer, Sergei Gorlatch, Frank Glinka, Alexander Ploß and Jens Müller-Iden</i>	
10:30 – 10:50	A SCALABLE ARCHITECTURE FOR DISCOVERY AND COMPOSITION IN P2P SERVICE NETWORKS <i>Agostino Forestiero, Carlo Mastroianni, Harris Papadakis, Paraskevi Fragopoulou, Alberto Troisi and Eugenio Zimeo</i>	
11:00 – 12:00	<b>Poster Session I &amp; Coffee</b>	Papers Nr.: 2, 4, 7, 8, 11, 13, 16, 21, 25, 26 and 27
<b>Noon Session</b>		
12:00 – 12:20	EDGES: THE COMMON BOUNDARY BETWEEN SERVICE AND DESKTOP GRIDS <i>Zoltan Balaton, Zoltan Farkas, Gabor Gombas, Péter Kacsuk, Robert Lovas, Attila Csaba Marosi, Ad Emmen, Gabor Terstyanszky, Tamas Kiss, Ian Kelley, Ian Taylor, Oleg Lodygensky, Miguel Cardenas-Montes, Gilles Fedak and Filipe Araujo</i>	
12:20 – 12:40	ESTIMATING THE SIZE OF PEER-TO-PEER NETWORKS USING LAMBERT'S W FUNCTION <i>Javier Bustos-Jimenez, Nicolas Bersano, Elisa Schaeffer, Jose Miguel Piquer, Alexandru Iosup and Augusto Ciuffoletti</i>	
13:00 – 14:00	<b>Lunch</b>	
14:10 – 14:50	<b>Invited Talk : DATA AND INFORMATION SEARCHING OVER DISTRIBUTED INFRASTRUCTURES</b> <i>Yannis Ioannidis (Department of Informatics and Telecommunications of the University of Athens)</i>	
14:50 – 15:10	TOWARDS COORDINATED DATA MANAGEMENT FOR HIGH-PERFORMANCE DISTRIBUTED MULTIMEDIA CONTENT ANALYSIS <i>Pierpaolo Giacomini, Alessandro Bassi, Frank J. Seinstra and Thilo Kielmann</i>	
15:10 – 15:30	OCM2PRV: PERFORMANCE VISUALIZATION OF GRID APPLICATIONS BASED ON OCM-G AND PARAVER <i>Włodzimierz Funika, Maciej Zientarski, Rosa M. Badia, Jesús Labarta and Marian Bubak</i>	
15:30 – 16:30	<b>Poster Session II &amp; Coffee</b>	Papers Nr.: 28, 29, 31, 35, 36, 37, 39, 42, 44, 45 and 47
16:30 – 17:40	<b>Special session "Achievements of CoreGRID"</b>	
17:40 – 18:30	<b>Panel discussion "The future of CoreGRID"</b>	Chair: Thierry Priol
19:00	<b>Joint Dinner</b>	

<b>April 4</b>	<b>Creta Maris Resort Hotel</b>
<b>Morning Session</b>	
9:30 – 9:50	A DATA-CENTRIC SECURITY ANALYSIS OF ICGRID <i>Jesus Luna, Michail Flouris, Manolis Marazakis, Angelos Bilas, Marios D. Dikaiakos, Harald Gjermundrod and Theodoros Kyprianou</i>
9:50 – 10:10	IMPLEMENTING DYNAMIC QUERYING SEARCH IN K-ARY DHT-BASED OVERLAYS <i>Paolo Trunfio, Domenico Talia, Ali Ghodsi and Seif Haridi</i>
10:10 – 10:30	ON CONSISTENCY OF DATA IN STRUCTURED OVERLAY NETWORKS <i>Tallat M. Shafaat, Monika Moser, Ali Ghodsi, Thorsten Schütt, Seif Haridi and Alexander Reinefeld</i>
10:30 – 10:50	PROTOTYPE IMPLEMENTATION OF A DEMAND DRIVEN NETWORK MONITORING ARCHITECTURE <i>Augusto Ciuffoletti, Yari Marchetti, Antonis Papadoqiannakis and Michalis Polychronakis</i>
10:50 – 11:20	<b>Coffee</b>
<b>Noon Session</b>	
11:20 – 11:40	COMPARATIVE EVALUATION OF THE ROBUSTNESS OF DAG SCHEDULING HEURISTICS <i>Louis-Claude Canon, Emmanuel Jeannot, Rizos Sakellariou and Wei Zheng</i>
11:40 – 12:00	TOWARDS A STANDARDS-BASED GRID SCHEDULING ARCHITECTURE <i>Christian Grimme, Joachim Lepping, Alexander Papaspyrou, Philipp Wieder, Ramin Yahyapour, Ariel Oleksiak, Oliver Wäldrich and Wolfgang Ziegler</i>
12:00 – 12:20	COMPARISON OF CENTRALIZED AND DECENTRALIZED SCHEDULING ALGORITHMS USING GSSIM SIMULATION ENVIRONMENT <i>Marcin Krystek, Krzysztof Kurowski, Ariel Oleksiak and Krzysztof Rządca</i>
12:20 – 12:40	IANOS: AN INTELLIGENT APPLICATION ORIENTED SCHEDULING MIDDLEWARE FOR A HPC GRID <i>Hassan Rasheed, Ralf Gruber, Vincent Keller, Wolfgang Ziegler, Oliver Wäldrich, Philipp Wieder and Pierre Kuonen</i>
<b>Closing of the workshop</b>	
13:00	<b>Lunch</b>